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Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3 Attorney Docket Number 205733

Complete if Known

Application Number	09/614,961
Filing Date	July 13, 2000
First Named Inventor	Antrim et al.
Group Art Unit	1623
Examiner Name	Unknown

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U.S. PATENT DOCUMENTS

Examiner Initials	Doc. No.	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
		Application or Patent Number	Kind Code			
HD	A A	6,107,348		Nakano et al.	Aug. 22, 2000	
HD	A B	5,965,501		Rattinger et al.	Oct. 12, 1999	
HD	A C	5,955,448		Colaco et al.	Sep. 21, 1999	
HD	A D	5,900,261		Ribadeau-Dumas et al.	May 4, 1999	
HD	A E	5,866,533		Beck et al.	Feb. 2, 1999	
HD	A F	5,853,487		Tang et al.	Dec. 29, 1998	
HD	A G	5,795,852		He et al.	Aug. 18, 1998	
HD	A H	5,780,620		Mandai et al.	Jul. 14, 1998	
HD	A I	5,772,013		Kunz et al.	Jun. 30, 1998	
HD	A J	5,756,438		Rau et al.	May 26, 1998	
HD	A K	5,720,978		Morehouse	Feb. 24, 1998	
HD	A L	5,690,956		Lau	Nov. 25, 1997	
HD	A M	5,656,584		Angell et al.	Aug. 12, 1997	
HD	A N	5,655,552		Samain	Aug. 12, 1997	
HD	A O	5,641,477		Syed et al.	Jun. 24, 1997	
HD	A P	5,629,042		Serpelloni et al.	May 13, 1997	
HD	A Q	5,627,273		Thomaides et al.	May 6, 1997	
HD	A R	5,620,873		Ohkuma et al.	Apr. 15, 1997	
HD	A S	5,601,863		Borden et al.	Feb. 11, 1997	
HD	A T	5,571,547		Serpelloni et al.	Nov. 5, 1996	
HD	A U	5,523,108		Wansor et al.	Jun. 4, 1996	
HD	A V	5,520,840		Massaro et al.	May 28, 1996	
HD	A W	5,506,353		Subramaniam	Apr. 9, 1996	
HD	A X	5,493,014		Caboché	Feb. 20, 1996	
HD	A Y	5,478,593		Serpelloni et al.	Dec. 26, 1995	
HD	A Z	5,348,737		Syed et al.	Sep. 20, 1994	
HD	B A	5,290,765		Wettlaufer et al.	Mar. 1, 1994	
HD	B B	5,109,128		Schumacher et al.	Apr. 28, 1992	
HD	B C	5,098,893		Franks et al.	Mar. 24, 1992	
HD	B D	5,034,231		Yatka et al.	Jul. 23 1991	
HD	B E	4,985,553		Fuertes et al.	Jan. 15, 1991	
HD	B F	4,845,208		Fuertes et al.	Jul. 4, 1989	
HD	B G	4,728,510		Shibanai et al.	Mar. 1, 1988	
HD	B H	4,717,765		Hirao et al.	Jan. 5, 1988	
HD	B I	4,680,180		Bussiere et al.	Jul. 14, 1987	
HD	B J	4,675,293		Gibs	Jun. 23, 1987	
HD	B K	4,463,116		Koyama et al.	Jul. 31, 1984	
HD	B L	4,445,938		Verwaerde et al.	May 1, 1984	
HD	B M	4,346,116		Verwaerde et al.	Aug. 24, 1982	
HD	B N	4,336,152		Like et al.	Jun. 22, 1982	
HD	B O	4,322,569		Chao et al.	Mar. 30, 1982	
HD	B P	4,279,931		Verwaerde et al.	Jul. 21, 1981	
HD	B Q	4,248,945		Alvarez et al.	Feb. 3, 1981	

Examiner Signature

Date Considered

9/20/02

* A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

+ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).

¹ Relevant for chemical equations and notations.

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet 2 of 3

Complete if Known

Application Number	09/614,961
Filing Date	July 13, 2000
First Named Inventor	Antrim et al.
Group Art Unit	1623
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U.S. PATENT DOCUMENTS

Examiner Initials	Doc. No.	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
		Application or Patent Number	Kind Code			
HO	B R	4,248,895		Stroz et al.	Feb. 3, 1981	
HO	B S	3,963,788		Kruse et al.	Jun. 15, 1976	
HO	B T	3,935,284		Kruse	Jan. 27, 1976	
HO	B U	3,890,300		Huchette et al.	Jun. 17, 1975	
HO	B V	3,876,794		Rennhard	Apr. 8, 1975	
HO	B W	3,639,389		Hull	Feb. 1, 1972	
HO	B X	2,280,975		Power	Apr. 1, 1942	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Doc. No.	Foreign Patent Document			Name of Patentee or Applicant	Date of Publication	Translation	
		Office	Application or Patent Number	Kind Code			Yes	No**
HO	BY	WO	00/32157	A1	Copa Distributors, LLC	Jun. 8 2000		
HO	BZ	WO	99/36442	A1	Grain Processing Corporation	Jul. 22, 1999		
HO	CA	WO	99/11748	A1	Unilever PLC	Mar. 11, 1999		
HO	CB	WO	98/42818	A1	The Proctor & Gamble Company	Oct. 1, 1998		
HO	CC	WO	98/42814	A1	Unilever PLC	Oct. 1, 1998		
HO	CD	WO	97/34861	A1	Akzo Nobel N.V.	Sep. 25, 1997		
HO	CE	WO	97/29133	A1	Cooperatie Cosun U.A.	Aug. 14, 1997		
HO	CF	WO	96/11589	A1	Firmenich S.A.	Apr. 25, 1996		
HO	CG	WO	95/07303	A1	Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek TNO	Mar. 16, 1995		
HO	CH	WO	92/18542	A1	Novamont S.P.A.	Oct. 29, 1992		
HO	CI	WO	92/14761	A1	Pfizer Inc.	Sep. 3, 1992		
HO	CJ	JP	05-294837	A	Kao Corp.	Nov. 9, 1993	Ab.	
HO	CK	JP	05-103586	A	Nippon Shokuhin Kako Co. Ltd.	Apr. 27, 1993	Ab.	
HO	CL	JP	10-028531		Towa Chem Ind. Co. Ltd.	Feb. 3, 1998	X	
HO	CM	JP	04-148661.	A	Nippon Shokuhin Kako KK	May 21, 1992		X ⁺
HO	CN	GB	526,839		I.G. Farbenindustrie Aktiengesellschaft	Sept. 26, 1940		
HO	CO	EP	0 854 149	A1	Südzucker Aktiengesellschaft Mannheim/Ochsenfurt	Jul. 22, 1998		X ⁺
HO	CP	EP	0 839 916	A1	Nihon Shokuhin Kako Co., Ltd. et al.	May 6, 1998		
HO	CQ	EP	0 791 658	A1	Asahi Kasei Kogyo Kabushiki Kaisha	Aug. 27, 1997		
HO	CR	EP	0 775 709	A1	Südzucker Aktiengesellschaft Mannheim/Ochsenfurt	May 28, 1997		X ⁺
HO	CS	EP	0 670 368	A2	Kabushiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo	Sept. 6, 1995		
HO	CT	EP	0 618 286	A1	Ausimont S.p.A. et al.	Oct. 5, 1994		
HO	CU	EP	0 577 519	B1	L'oreal	April 10, 1996		
HO	CV	EP	0 548 399	A1	Novamont S.p.A.	Jun. 30, 1993		
HO	CW	EP	0 727 485	A1	Stichting Nederlands Instituut voor Koolhydraat Onderzoek TNO	Aug. 21, 1996		
HO	CX	EP	0 142 725	A1	Kawaken Fine Chemicals Co., Ltd. et al.	May 29, 1985		
HO	CY	DE	197 51 630	A1	Bayer AG	May 27, 1999		X ⁺

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Sheet

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		Complete if Known	
		Application Number	09/614,961
		Filing Date	July 13, 2000
		First Named Inventor	Antrim et al.
		Group Art Unit	1623
		Examiner Name	Unknown
		Attorney Docket Number	205733

Sheet

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of

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OTHER - NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Translation
			Yes No ⁺
HO	C Z	ARTS et al., "Hydrogen Peroxide and Oxygen in Catalytic Oxidation of Carbohydrates and Related Compounds," <i>Synthesis</i> , 597-613 (June 1997)	
HO	D A	BELL et al., "Glass Transition Explanation for the Effect of Polyhydroxy Compounds on Protein Denaturation in Dehydrated Solids," <i>Journal Of Food Science</i> , 61 (2), 372-374 (1996)	
HO	D B	BENDER, "Studies of the Inhibition by Malto-Oligosaccharides of the Cyclization Reaction Catalyzed by the Cyclodextrin Glycosyltransferase from Klebsiella Pneumoniae M 5 al with Glycogen," <i>Carbohydrate Research</i> , 135 (2), 291-302 (Abstract) (1985)	X ⁺
HO	D C	BENDIAK, "Nuclear Magnetic Resonance Spectroscopy of Peracetylated Oligosaccharides having C-labeled carbonyl Groups in lieu of Permetylation Analysis for Establishing Linkage Substitutions of Sugars," <i>Carbohydrate Research</i> , 315, 206-221 (1999)	
HO	D D	GLATTFELD et al., "The Caralytic Dehydrogenation of Sugar Alcohols," <i>Journal of the American Chemical Society</i> , 60 (9), 2013-2023 (1938)	
	D E	HEYNS et al., "Selektive Katalytische Oxydationen mit Edelmetall-Katalysatoren," <i>Angewandte Chem.</i> , 69 (13-14), 600-608 (July 15, 1957)	X ¹
	D F	HEYNS et al., "Die Darstellung der L-Gulose," <i>Katalytische Oxydationen</i> , 91 (13), 1720-1724 (1958)	X ¹
HO	D G	KUSANO et al., "Effects of Reduced Malto-Oligosaccharides on the Thermal Stability of Pullulanase from <i>Bacillus Acidopullulyticus</i> ," <i>Carbohydrate Research</i> , 199 (1), 83-89 (1990)	
HO	D H	<i>Handbook of Analytical Derivatization Reactions</i> , John Wiley & Sons, Inc., New York, New York, 582-584 (1979)	
HO	D I	KEARSLEY et al., "Production and Physiochemical Properties of Hydrogenated Glucose syrups," <i>Die Stärke</i> , 29 (12), 425-429 (1977)	
HO	D J	KEARSLEY et al., "The Production and Properties of Glucose Syrups, III. Sweetness of Flucose Syrups and Related Carbohydrates," <i>Starch/Stärke</i> 32, 244-247 (1980)	
HO	D K	LEROY, "Hydrogenated Starch Hydrolysates," <i>Health and Sugar Substitutes</i> , Proc. ERGOB Conference, Geneva, 114-119 (1978)	
HO	D L	MCKEAN, "Elimination of Internal Glycosyl Residues During Chemical Ionization-Mass Spectrometry of Per-O-Alkylated Oligosaccharide-Alditols," <i>Carbohydrate Research</i> , 123, 31-40 (1983)	
HO	D M	NAKAGAWA et al. "Construction from a Single Parent of Baker's Yeast Strains with High Freeze Tolerance and Fermentative Activity in Both Lean and Sweet Doughs," <i>Tokyo Research Laboratories, App. Environ. Microbiol.</i> , 60 (10), 3499-3502 (1994)	
HO	D N	O'BRIEN, "Stability of Trehalose, Sucrose and Glucose to Nonenzymatic Browning in Model Systems," <i>Journal of Food Science</i> , 61 (4), 679-682 (1996)	
HO	D O	RODRIGUEZ de SOTILLO et al., "Potato Peel Waste: Stability and Antioxidant Activity of a Freeze-Dried Extract," <i>Journal of Food Science</i> , 59 (5), 1031-1033 (1994)	
HO	D P	RÖPER, "Selective Oxidation of D-Glucose: Chiral Intermediates for Industrial Utilization," <i>Carbohydrates as Organic Raw Materials</i> , 268-288 (1991)	
HO	D Q	ROSSI et al., "Stabilization of the Restriction Enzyme EcoRI Dried with Trehalose and Other Selected Glass-Forming Solutes," <i>Biotechnol. Prog.</i> , 13 (5), 609-616 (1997)	
HO	D R	SCHEBOR et al., "Glassy State and Thermal Inactivation of Invertase and Lactase in Dried Amorphous Matrices," <i>Biotechnology Process</i> , 13 (6), 857-863 (Abstract) (1997)	

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